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| Application No.      | Applicant(s)   |
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| 10/644,879           | EAGLAND ET AL. |
| Examiner             | Art Unit       |
| Dr. Kelechi C. Egwim | 1713           |

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|   | 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

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| _ | Interference |

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| Cla  | im        | Date           |              |              |              |          |                 |          |              |          |     | Claim Date |          |               |         |                 |               | Cla  | aim      |              | Date  |            |          |          |          |              |                 |                       |          |          |
|--|-----------|----------------|--------------|--------------|--------------|----------|-----------------|----------|--------------|----------|-----|------------|----------|---------------|---------|-----------------|---------------|--|----------|--------------|-------|------------|----------|----------|----------|--------------|-----------------|-----------------------|----------|----------|
|  |           | <b>.</b>       | <u>ر</u>     | က္           |              |          |                 |          |              |          |     |            | -a       |               | T       |                 |               |  | ]        | ,            |       | <u>m</u>   |          |          |          |              |                 | [                     |          |          |
| Final  | Original  | 6/14/04        | 2/22/05      | 10/31/05     | 4/1/06       |          |                 |          |              |          |     | Final      | Original | ]             |         |                 | ı             |  |          | <i>N</i> .   | Final | Original   |          |          |          |              |                 | Ιl                    |          |          |
| iĒ   | ij        | 1              | 22           | 8            | 12           |          |                 |          |              |          | •   | ίĒ         | 풀        |               | -       | 1 1             |               |  |          |              | ίĪ    | Ĕ          |          | -        | 1        | l            |                 | iΙ                    |          |          |
|  | $\vec{I}$ | Ľ              |              | Ľ            | L            |          |                 |          |              |          |     |            |          | $\perp \perp$ | $\perp$ | $\perp \perp$   |               |  | ╝        | 1/2          |       |            |          | _ _      | ╄        | $oxed{oxed}$ | L               | $\sqcup$              | _        |          |
|  |           |                |              |              |              |          |                 |          |              |          |     |            | 51       | $\perp$       |         | $\perp$         |               | Ш  | ╛        |              |       | 101        |          |          | _        | L            | Щ               | $\sqcup$              | _        |          |
|  | 2         |                |              |              |              |          |                 |          |              |          |     |            | 52       | $\perp \perp$ |         |                 |               |  | ╛        |              |       | 102        |          |          |          | $oxed{oxed}$ | Щ               | Ш                     | _        |          |
|  | 3         |                |              |              | L            |          |                 |          |              |          |     |            | 53       |               |         | $\perp \perp$   |               |  | _        |              |       | 103        |          |          | _        | $oxed{oxed}$ | Щ               | $\sqcup$              | 4        | _        |
|  | 4         | _              |              |              |              | L        |                 |          |              |          |     |            | 54       |               |         |                 |               |  | ╝        |              |       | 104        |          |          | 丄        | L            | Ш               | Ш                     | _1       |          |
|  | 5         |                |              |              |              |          |                 |          |              |          |     |            | 55       | $\bot\bot$    | $\bot$  | $\perp \perp$   |               | $\sqcup \bot$  | ╝        |              |       | 105        | _        |          | _        | _            |                 | $\vdash$              | _        |          |
|  | 6         |                |              | L            |              | L        |                 |          | Ш            |          | -   |            | 56       | $\perp \perp$ | $\perp$ | $\perp \perp$   |               | $\sqcup$   | 4        | -            |       | 106        | $\perp$  |          | _        |              | Ш               | ${oldsymbol{\sqcup}}$ | _        | _        |
|  | 7         | L              |              | <u> </u>     | _            |          |                 |          | Ш            |          |     |            | 57       | $\bot$        |         | $\bot$          |               | $\sqcup$   | ┙        |              |       | 107        | _        |          | ↓_       |              | Ш               | $\vdash$              | _        | _        |
|  | В         |                | _            | _            | _            | L        |                 |          | L_           |          |     |            | 58       | 4             |         | +               |               | $\vdash \vdash$  | 4        |              |       | 108        | $\dashv$ | <b>-</b> | <u> </u> | _            | Щ               | $\vdash$              | _        |          |
|  | ₽         |                |              | _            | _            |          |                 |          |              |          |     |            | 59       | $\bot \bot$   | $\perp$ | $\bot$          |               | Ш  | 4        |              |       | 109        |          | _        | ╄        | L            | Щ               | $\vdash$              |          | _        |
|  | 10        | 匚              | _            | <u> </u>     | <u> </u>     |          |                 |          | Ш            |          |     |            | 60       | $\perp \perp$ |         | $\bot$          |               | $\sqcup$   | 4        | 1,00         |       | 110        |          | _        | ╄        | L            | Ш               | $\vdash$              | _        | [        |
|  | 11        | L_             | <u> </u>     | Ц_           | <u> </u>     | L        |                 | _        | Щ            |          |     |            | 61       | ++            | $\perp$ | 1-1             |               | $\sqcup$   | _        |              |       | 111        | _ _      | $\bot$   | ╄        | $\vdash$     | Щ               | $\dashv$              | _        | _        |
|  | 12        | L_             | <u> </u>     | <u> </u>     |              | L        | <u> </u>        | <u> </u> | $oxed{oxed}$ |          |     |            | 62       | ++            |         | +               |               | $\sqcup$   | 4        |              |       | 112        | _        | $\bot$   | 4        | <b> </b>     | Ш               | $\dashv$              | _        | _        |
|  | 13        | <u> </u>       | _            | <u> </u>     | <u> </u>     | L        | <u> </u>        | Ľ        | Ш            |          |     |            | 63       | 4-4           |         | 1-1             |               |  | _        |              |       | 113        | $\perp$  |          | ╀        | <del> </del> | Ш               | $\dashv$              |          |          |
|  | 14        | _              | <u> </u>     |              |              |          |                 |          | Ш            |          |     |            | 64       | ++            | —       | 1               |               | $\sqcup \bot$  | ┙        |              |       | 114        | .        |          | ↓_       | <u> </u>     | Ш               | $\dashv$              |          | _        |
| Щ  | 15        | <u> </u>       |              | <u> </u>     | <u> </u>     |          |                 |          |              |          |     |            | 65       | 4-4-          | $\bot$  | 1-1             |               | <del>                                     </del>   | 4        |              |       | 115        | _        |          | 1        | Ш            | Щ               | $\dashv$              | _        | _        |
|  | 1\$       | <del>  _</del> | Ļ            | <u> </u>     | Ļ            | <u> </u> | <u> </u>        | Ш        | Ш            |          |     |            | 66       | 4-4           | +       | ++              | $\bot$        | $\vdash \vdash$  | 4        |              |       | 116        | $\perp$  | _        | 1        |              | Ш               | $\dashv$              | 4        | _        |
| <u> </u>   | 17        | 1              | 1            | 1            | 1            | L.       | igspace         | L_       | Ш            |          | 1   |            | 67       | ++            | $\bot$  | +               |               | -  | 4        |              |       | 117        |          | $\perp$  | 1        | Ш            | Щ               | $\dashv$              | _        | _        |
|  | 18        | 1              | 1            | 1            | 1            |          | _               |          |              |          |     |            | 68       | $\perp$       | -       | <del> </del> -⊦ |               | $\vdash$   | 4        |              |       | 118        | _        | _        | ┞-       | _            | Ш               | $\vdash$              | 4        | _        |
|  | 19        | 1              | 1            | Ϋ́           | 1            |          |                 |          | Ш            |          |     |            | 69       | 1             | -       | $\bot$          |               | <b> </b>   | 4        |              |       | 119        | _        |          | 1        |              | Ш               | $\vdash$              | 4        | _        |
| igsquare   | 20        | 1              | 1            | 1            | 1            | <u> </u> |                 |          |              |          |     |            | 70       | $\perp \perp$ | +       | ┦               | _ _           |  | 4        | 7.           |       | 120        | _        | -        | ╄        | _            | Н               | ┷                     | 4        | _        |
|  | 21        | 1              | 1            | 1            | 1            |          |                 |          |              |          |     |            | 71       | ++            | -       |                 |               | $\vdash \vdash$  | 4        |              |       | 121        | $\dashv$ | +        | -        | _            |                 | $\vdash$              | 4        | 4        |
|  | 22        | 1              | 1            | 1            | 1            | _        |                 |          | Ш            |          | 5   |            | 72       | ++            |         | +               | 1             | $\vdash$   | 4        |              |       | 122        | _        | -        | ╀-       | _            | Н               | ┵                     | 4        |          |
| $\vdash$   | 23        | 1              | ٧            | 1            | 1            | <u> </u> |                 |          |              |          | ,   |            | 73       | +-+           | $\perp$ | +               | $\perp$       | ├-   | 4        |              |       | 123        | $\dashv$ |          | +-       | L            | Ш               | $\vdash$              | $\dashv$ | $\dashv$ |
| $\vdash$   | 24        | 1              | 1            | 1            | 1            | <u> </u> |                 |          |              | _        |     |            | 74       | 4             | +       | ++              | -             |  | 4        |              |       | 124        | -        |          | ┼        |              | H               | $\vdash$              |          | $\dashv$ |
| $\vdash$   | 25        | 1              | 1            | 1            | 1            | L        | Н               |          |              |          |     |            | 75       | ++            |         | +-+             |               | ₽₽   | 4        | -            |       | 125        |          | -        | +        | _            | H               |                       |          | -        |
| <u> </u>   | 26        | 1              | 1            | 1            | 1            | _        | <u> </u>        |          |              | _        |     |            | 76       |               | +       | +-+             | +             | ₽₽   | 4        | <u>.</u>     |       | 126        | -        | +        | ╁        | <del> </del> | Н               | ⊢⊢                    | -        |          |
|  | 27        | 1              | ٧            | 1            | 1            |          | Н               |          |              |          |     |            | 77       | ++            | -       | ++              | -             |  | 4        | 4            |       | 127        | $\dashv$ | +        | ┼        | -            | Н               | ⊢─┼                   | $\dashv$ | $\dashv$ |
|  | 28        | 1              | 1            | 1            | 1            |          | -               |          |              |          |     |            | 78       | +             |         | ++              | -             | $\vdash$   | 4        | 1            |       | 128<br>129 | +        |          | ╀        |              | Н               | ⊢                     | $\dashv$ | $\dashv$ |
|  | 29        | 1              | 1            | 1            | 1            | -        | Н               |          | -            |          |     |            | 79<br>80 | ++            | +       | +               | +             | $\vdash$   | 4        | 1            |       |            |          | -        | ╀        | ⊢            | -               | $\vdash$              | -+       | $\dashv$ |
| <b>├</b>   | 30        | 1              | 1            | 1            | 1            | H        | Н               | -        | Н            | _        |     |            |          | ++            | +       | +               | +             | ⊢-   | 4        |              |       | 130        | $\dashv$ | +        | ╀        | <u> </u>     |                 |                       | -        | -        |
|  | 31        | 1              | 7            | 1            | 1            | $\vdash$ |                 | Н        | Н            |          |     |            | 81<br>82 | +             | +       | ++              | +             | $\vdash \vdash$  | 4        |              |       | 131<br>132 | +        | -        | -        | -            | Н               | ┌─┼                   | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 32        | <b>√</b>       |              | Ľ            | Ľ            | H        | Н               |          | Н            |          |     |            |          | ++            |         | +               |               | $\vdash \vdash$  | ᆛ        |              |       |            | +        | +        | ┼        | -            | Н               | 一                     | $\dashv$ | $\dashv$ |
| $\vdash\vdash\vdash$                             | \33<br>34 | N              | ZZ           | $\vdash$     | $\vdash$     | -        |                 | Н        | Н            |          |     |            | 83<br>84 | +             | +-      | +-+             |               | $\vdash \vdash$  | $\dashv$ | ŀ            |       | 133<br>134 | +        | +        | +        | Н            | Н               | $\dashv$              | $\dashv$ | $\dashv$ |
| $\vdash$   | 35        | N              | N            |              | $\vdash$     | -        |                 | H        | Н            |          |     |            | 85       | +++           | +       | ++              | +             | $\vdash$   | $\dashv$ |              |       | 135        | $\dashv$ | +        | +        | $\vdash$     | $\vdash$        | $\dashv$              | -+       |          |
|  | 36        | ۲,             | 14           | <del> </del> | $\vdash$     | -        |                 | Н        | Н            | _        |     |            | 86       | ++            | +       | +-+             | +             | $\vdash$   | $\dashv$ |              |       | 136        | +        | +        | +        | $\vdash$     | $\vdash \vdash$ | $\dashv$              | $\dashv$ | ᅱ        |
|  | 37        | <del> </del>   | <del> </del> | $\vdash$     | ├            | $\vdash$ | $\vdash$        | Н        | $\vdash$     |          |     |            | 87       | ++            | +       | ┼┼              | +             | $\vdash +$   | $\dashv$ | ,;           |       | 137        | -+       | +        | +        | $\vdash$     | Н               | $\dashv$              | $\dashv$ | $\dashv$ |
|  | 38        | $\vdash$       | Н            | $\vdash$     | $\vdash$     | H        | Н               | Н        | Н            |          |     |            | 88       | +-+           | +       | +               | +             | $\vdash$   | ᅱ        | , . <b>.</b> |       | 138        | +        | +        | +        | Н            | Н               | $\dashv$              | $\dashv$ | ⊣        |
| $\vdash$   | 39        | $\vdash$       | H            | $\vdash$     | $\vdash$     | $\vdash$ | Н               | $\vdash$ | Н            |          | •   |            | 89       | +-+           | +       | +-+             | +-            | ├┼   | $\dashv$ |              |       | 139        | $\dashv$ | +        | +-       | $\vdash$     | $\vdash$        | $\dashv$              |          | ᅱ        |
| $\vdash$   | 40        | $\vdash$       | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$ | Н               | Н        | Н            |          |     |            | 90       | ++            | +-      | +-+             | +             | $\vdash \vdash$  | $\dashv$ | 1            |       | 140        | +        | +        | ╁        |              | $\vdash$        | +                     | +        | $\dashv$ |
|  | 41        | -              | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash\vdash$  | Н        | $\vdash$     | _        |     |            | 91       | +-+           | +       | +-+             |               | $\vdash$   | $\dashv$ | ŀ            |       | 141        | +        | +-       | +        |              | $\vdash$        | $\dashv$              | +        | $\dashv$ |
| $\vdash$   | 42        |                | $\vdash$     | $\vdash$     | $\vdash$     | H        | Н               | Н        | $\vdash$     |          | -   |            | 92       | ++            | +       | ++              | +             | $\vdash$   | $\dashv$ | ł            |       | 142        | +        | +        | +-       | $\vdash$     | H               | $\dashv$              | +        | $\dashv$ |
|  | 43        | <u> </u>       | $\vdash$     | $\vdash$     | $\vdash$     | H        | Н               | $\vdash$ | $\vdash$     |          | :   |            | 93       | ++            | +       | ++              |               | -  | $\dashv$ |              |       | 143        | +        | ╅        | ╁        |              | Н               | $\dashv$              | $\dashv$ | $\dashv$ |
| <del>                                     </del> | 44        | -              | -            | $\vdash$     | $\vdash$     |          | Н               | $\vdash$ | $\vdash$     | _        |     |            | 94       | +-+           | +       | ╫               | +             | $\vdash$   | $\dashv$ | ł            |       | 144        | -+       | +        | ╁╌       | H            | $\vdash$        | $\dashv$              | $\dashv$ | $\dashv$ |
| $\vdash$   | 45        |                | $\vdash$     | $\vdash$     | H            | H        | $\vdash$        | $\vdash$ | $\vdash$     |          | }   |            | 95       | +             | +       | ++              |               | $\vdash \vdash$  | $\dashv$ | ŀ            |       | 145        | $\dashv$ | +        | +        | Н            |                 | $\dashv$              | +        | ᅱ        |
| $\vdash$   | 46        | H              | H            | H            |              | $\vdash$ | Н               | $\vdash$ |              |          |     |            | 96       | ++            | +       | +               | +             |  | $\dashv$ | ŀ            |       | 146        | +        | +        | $\vdash$ | Н            | Н               | +                     | $\dashv$ | $\dashv$ |
|  | 47        | $\vdash$       |              | -            | -            | Н        | $\vdash$        | $\dashv$ | $\vdash$     |          |     |            | 97       | ++            | +-      | +-+             | $\dashv \neg$ | $\vdash$   | $\dashv$ | ł            | _     | 147        | +        | +-       | +        | Н            | $\vdash$        | $\dashv$              | $\dashv$ | $\dashv$ |
|  | 48        | $\vdash$       | Н            | -            | -            | Н        | $\vdash \vdash$ | $\vdash$ | $\vdash$     |          |     |            | 98       | ++            | +-      | +-+             | +             | $\vdash$   | ┥        | - 1          |       | 148        | +        | +-       | +-       | Н            | Н               | $\dashv$              | $\dashv$ | ᅱ        |
| $\vdash\vdash\vdash$                             | 49        | -              | $\vdash$     |              |              | $\vdash$ | $\dashv$        | $\dashv$ |              | $\dashv$ |     |            | 99       | ++            | +       | +++             | +             | $\vdash$   | $\dashv$ | 1            |       | 149        |          | +        | $\vdash$ | $\vdash$     | $\vdash$        | $\dashv$              | $\dashv$ | $\dashv$ |
|  | 50        | $\vdash$       | Н            |              | <del> </del> | Н        | $\dashv$        | $\dashv$ | $\dashv$     | -        |     |            | 100      | ++            | +       | +               |               |  | ᅥ        | ╌┠           | -     | 150        | +        | +-       | +-       | Н            | $\vdash$        | $\dashv$              | $\dashv$ | $\dashv$ |
|  | - 50      |                | لبسا         |              |              |          | Ц.,             |          | $\Box$       |          | ı L |            | 100      |               |         | $\perp$         |               | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |          | · L          |       | .00        |          |          | 1        |              |                 | —↓                    |          |          |